



**AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL**

## **BRAZILIAN AIRWORTHINESS DIRECTIVE**

**AD No.: 2023-05-03R01**

**Effective Date: 08 Mar. 2024**

The following Brazilian Airworthiness Directive (AD), issued by the Agência Nacional de Aviação Civil (ANAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Law No. 7,565 dated 19 December 1986 - and Regulamento Brasileiro da Aviação Civil (RBAC) 39, applies to all aircraft registered in the Registro Aeronáutico Brasileiro. No person may operate an aircraft to which this AD applies, unless it has previously complied with the requirements established herein.

### **AD No. 2023-05-03R01 - EMBRAER / 39-1544.**

#### **APPLICABILITY:**

(a) This Airworthiness Directive (AD) applies to Embraer S.A. airplanes model EMB-505, as specified in EMBRAER Service Bulletin SB505-25-0046, revision 02, dated February 19<sup>th</sup>,2024.

#### **CANCELLATION / REVISION:**

This AD cancels and supersedes the AD No. 2023-05-03 - EMBRAER, dated 02 Jun. 2023, and is being issued to incorporate EMBRAER Service Bulletin SB505-25-0046, revision 02, dated February 19<sup>th</sup>,2024 as the basis for this AD applicability.

#### **REASON:**

Analyzes carried out identified that some of the monuments installed on Embraer model EMB-505 aircraft may not withstand the loads expected for specific emergency landing conditions, which may cause the detachment of mass items and cause injuries to the occupants of the plane.

Since this condition may occur in other airplanes and affects flight safety, corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit.

#### **REQUIRED ACTION:**

Installation of structural reinforcement on monuments and replacement of fasteners on the floor support.

#### **COMPLIANCE:**

Required as indicated below, unless already accomplished.

**(b) Terminating action.**

For airplanes identified in paragraph (a) of this AD, within 36 months after June 02<sup>nd</sup>,2023, the effective date of AD 2023-05-03, original revision, compliance shall be as follows:

**(1)** Install structural reinforcements and replace applicable floor fasteners as defined in the EMBRAER SB505-25-0046, revision 02, dated February 19<sup>th</sup>,2024, or later revisions approved by ANAC.

**(2)** In case of application of the EMBRAER SB505-25-0046 in its original revision before the publication of this AD, inspect the installation of the fasteners on the floor support to check the P/N.

(i) If the installed P/N is MS20470E5-7 or MS20470E5-8, as applicable, no further action is required.

(ii) If the installed P/N is different from MS20470E5-7 or MS20470E5-8 , as applicable, replace it with a floor support fastener of P/N MS20470E5-7 or MS20470E5-8, as applicable, according to EMBRAER SB505-25-0046, revision 02, dated February 19<sup>th</sup>,2024 or later revisions approved by ANAC.

**(c) Credit for previous actions**

This paragraph provides credit for the actions specified in paragraph (b) of this AD. No further action is required per paragraph (b) of this AD if the actions specified in paragraph (b) of this AD were performed before the effective date of this AD, in accordance with EMBRAER SB505-25-0046, original revision, dated March 31<sup>st</sup>, 2021, provided that the airplane maintenance records clearly identify that the actions required by paragraph (b)(1) of this AD have been completed and that the floor support fasteners installed are of P/N MS20470E5 -7 or MS20470E5-8, as applicable, or EMBRAER SB505-25-0046, revision 01, dated May 08<sup>th</sup>,2023.

**(d) Alternative methods of compliance (AMOCs).**

(1) A different method or a different compliance time, with the requirements of this AD, may be used if approved by the Manager of the Continuing Airworthiness Technical Branch (GTAC) of ANAC.

(2) For service information that contains steps that are labeled as Required for Compliance (RC), the provisions of paragraphs (d)(2)(i) and (d)(2)(ii) of this AD apply.

(i) The steps labeled as RC, including substeps under a RC step and any figures identified in a RC step, must be done to comply with the AD. If a step or substep is labeled "RC Exempt," then the RC requirement is removed from that step or substep. An AMOC is required for any deviations to RC steps, including substeps and identified figures.

(ii) Steps not labeled as RC may deviate from using accepted methods in accordance with the operator's maintenance or inspection program without obtaining approval of an AMOC, provided the RC steps, including substeps and identified figures, can still be done as specified, and the airplane can be put back in an airworthy condition.

**(e) Material incorporated by reference.**

You must use the Service Bulletin EMBRAER No. 505-25-0046, revision 02, dated February 19<sup>th</sup>,2024 , or later revisions approved by ANAC.

Record compliance with this AD in the applicable maintenance log book.

**CONTACT:**

For additional technical information, contact:

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**APPROVAL:**

ROBERTO JOSÉ SILVEIRA HONORATO  
Airworthiness Superintendent  
ANAC

**NOTA:** Original in Portuguese language signed and available in the files of the Continuing Airworthiness Technical Branch (GTAC) of the National Civil Aviation Agency (ANAC).

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**Referência:** Processo nº 00066.017567/2020-11

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